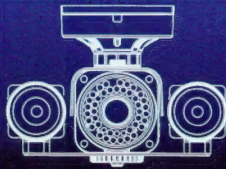


DIGITAL SECURITY SYSTEM



VERSION:E1201

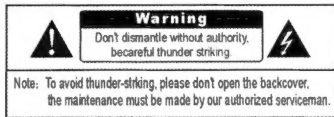
USER'S MANUAL




Applied to Box Cameras, IR Waterproof Cameras, Dome cameras

Thank you for purchasing our products. Please read the manual carefully before operating


Safety Precaution



 This symbol means that there might exist uninsulated dangerous voltage inside the case, be careful of electric shock.

 This symbol reminds you to pay attention to important operation and maintenance instructions in the accompanied information.

Warning

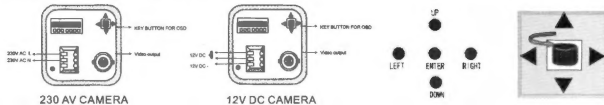
 **Power Supply Interface:** If it is 12V/24V, the charger don't have polar nature; if it is 12V only, please connect the cable according to anode and cathode on the board

- * In order to prevent damage caused by fire or electric shock, please do not put cameras exposed in the moist environment or rainwater.
- * Please make sure the adapter is consistent with product specifications, otherwise it might cause fire, electric shock or damage.
- * Pay attention to polarity of the adapter, it might cause some accidents like fires.
- * Please don't connect multiple cameras with the same adapter at the same time; overloading of adapter capacity may cause fires.
- * Power supply must be firmly fixed so as not to loose to cause fires.
- * If the device gets abnormal smell or smENTERe", please stop it immediately and contact with our customer service center.
- * If the camera doesn't work as usual, please do not dismantle it by yourself. Please contact our local distributor or our maintenance office authorized by our company, otherwise we won't promise warranty.
- * Please do not splash water on the product components when cleaning.

Notes

1. Do not make the products under great impact or stay away from strong electromagnetic interference and vibration.
2. There are some sophisticated parts inside the camera, therefore, during transportation and installation, please avoid the damage cause by stress or severe vibration. For the sake of safety, please do not switch on power before accomplishing all installation.
3. Please comply with all electrical safety standards during operation, camera or signal transmission cable should maintain a sufficient distance (50 meters) with high-voltage equipment or cables, if necessary, lighting and thunder protective measures must be taken.
4. Please install the camera in well-ventilated environment.
5. Please do not make the camera face sunshine or other strong light directly in case of any damage to the lens and the sensor.
6. The temperature and humidity range for cameras work are $-10 \sim 50^{\circ}\text{C}$, less than 95% separately, please do not start cameras beyond this range.
7. To avoid lightning strikes, please make sure the installation of power supply ground line in a good condition.
8. To prevent the equipment from damage by shower or splash of water, please do not place the device substances such as liquid.

Interface Function Description



Connector Description



ENTER	Enter or Exit the menu, Press ENTER into Main Menu.
UP/DOWN	UP and DOWN for move up and down
LEFT/RIGHT	LEFT, RIGHT for modifying the menu parameters'press RIGHT to
	Exit the next menu and modify the parameter.

The using and brief introduction of the OSD (pull-ENTER menu)

The basic set up of the OSD

Press the "MENU" key on the menu, the following main control profile with iconic shot will appear on the screen (As the following picture).

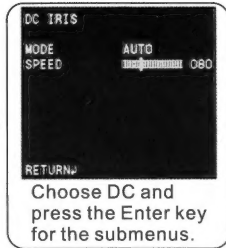


- ◎Support eight foreign languages. The user can see the set up items clearly.
- ◎When click the menu frame, the set up parameters will appear. The user can adjust the parameters or the check the previous settings easily.
- ◎The users can use the menu control key on the camera tail to choose and set up the parameters, to reach the best condition in different Environments.

The introduction of the OSD main function

●Lens settings

The first item of the OSD profile



Notes: In the out of factory settings, it should choose the manual if install the fixed iris lens, and it should choose the DC when you use the Auto iris lens. It is Auto setup for the DC iris mode. And the speed is 080.

●The AGC Set up

The second item of the main menu

Diagram showing the transition from the main menu to the auto setup submenu. A large arrow points from the main menu to the auto setup submenu.

SETUP MENU

LENS	DC
SHUTTER/AGC	AUTO
WHITE BAL	PUSH
BACKLIGHT	OFF
PICT ADJUST	↓
ATR	OFF
MOTION DET	ON

NEXT
EXIT

SAVE ALL

Press the left/right key to choose the manual or auto set up

AUTO SETUP

HIGH LUMINANCE

MODE SHUT+DC IRIS

BRIGHTNESS 024

LOW LUMINANCE

MODE AGC

BRIGHTNESS x0.50

RETURN

Choose the Auto Setup and press the Confirm key to enter into the submenus(AGC control)

SETUP MENU

LENS	DC
SHUTTER/AGC	AUTO
WHITE BAL	PUSH
BACKLIGHT	OFF
PICT ADJUST	↓
ATR	OFF
MOTION DET	ON

NEXT
EXIT

SAVE ALL

Press the left/right key to choose the manual or auto set up

MANUAL SETUP

MODE	SHUT+AGC
SHUTTER	1/50
AGC	6.00

RETURN

Choose manual and press the confirm key to enter into the submenus (AGC control)

Note: in the out of factory settings, this is selected auto mode. If it is fixed IRIS lens, then in the submenu, the high-grey mode is shutter, brightness 024; low-grey mode is AGC, brightness x 0.50; if the lens is auto IRIS, then in the submenu, the high-grey mode is shutter + DC IRIS, brightness 024; Low-grey mode is AGC, brightness x 0.50.

● White balance setting up

The third item of the main menu

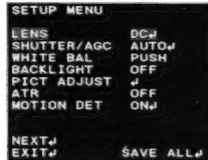


Press the right and left key to set up BLC

Color OSD

●White balance setting

The fifth item of the main menu



Press the conform key to the submenu



Press the conform key to the (AGC)

Note: the compensatory model is BLC and high-light compensatory. In the out of factory setting, this set is close.

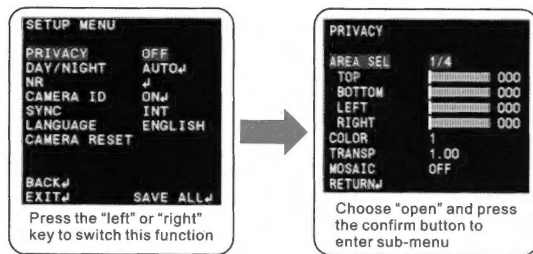
●ATR Setting

The sixth item of the main menu



●Privacy settings

Main menu first item on the second page



Note: in the out of factory settings, this is off. The user can choose to open this feature, four hidden areas can be set up.

●Day / Night mode setting

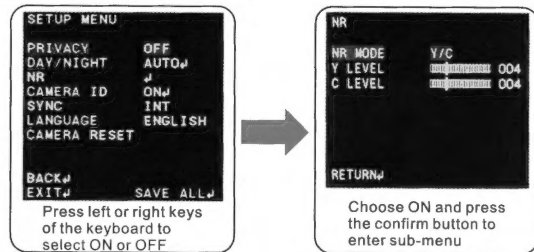
The second item on the second page of the main menu



Note: In the factory settings, this is automatically. Submenu pulse is off; delay control 001; day → night is 002; night → day is 003.

●2D noise reduction settings

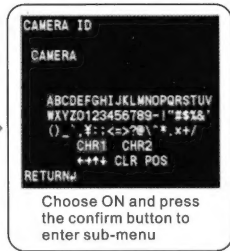
The third item on the second page of the main menu



Note: In factory settings, this item is chosen off. The submenu noise reduction mode is Y / C; Y grade selected 004; C grade selected 004; 2D noise reduction using a low-light scene in order to improve the S / N to improve illumination.

●Camera identification code settings

The fourth item on the second page of the main menu



Note: in the out of factory settings, this is set as off.

●Synchronization settings

The fifth item on the second page of the main menu



Note: in the out of factory settings, the item is set as Synchronization

●Language settings

The sixth item on the Second page of the main menu

```
SETUP MENU

PRIVACY      OFF
DAY/NIGHT    AUTO↵
NR           ↵
CAMERA ID    ON↵
SYNC         INT
LANGUAGE     ENGLISH
CAMERA RESET

BACK↵
EXIT↵      SAVE ALL↵
```

Press the left or right keys of the keyboard to choose the language mode (Color switchover and white/black adjust)

Note: out of factory settings, the P system is set as the Chinese; N system is set as English.

●Camera reset settings

The seventh item on the Second page of the main

Note: press the Reset button to restore the factory settings of the selected models.

●Return to exit and save the settings

Options on The bottom of main menu

Note: After the camera parameters are set, you can press the "SAVE ALL" to save the parameters you set before the next booting up.

```
SETUP MENU

PRIVACY      OFF
DAY/NIGHT    AUTO↵
NR           ↵
CAMERA ID    ON↵
SYNC         INT
LANGUAGE     ENGLISH
CAMERA RESET

BACK↵
EXIT↵      SAVE ALL↵
```

Press the "SAVE ALL" to reset

```
SETUP MENU

PRIVACY      OFF
DAY/NIGHT    AUTO↵
NR           ↵
CAMERA ID    ON↵
SYNC         INT
LANGUAGE     ENGLISH
CAMERA RESET

BACK↵
EXIT↵      SAVE ALL↵
```

Press the "SAVE ALL" to reset